Richard Cleve

List of Publications by Year
in descending order

31	8,603	361413	552781
papers	citations	20 h-index	26 g-index

31	31	31	4135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	EXPONENTIAL IMPROVEMENT IN PRECISION FOR SIMULATING SPARSE HAMILTONIANS. Forum of Mathematics, Sigma, 2017, 5, .	0.7	14
2	Perfect embezzlement of entanglement. Journal of Mathematical Physics, 2017, 58, 012204.	1.1	10
3	Perfect commuting-operator strategies for linear system games. Journal of Mathematical Physics, 2017, 58, .	1.1	23
4	Simulating Hamiltonian Dynamics with a Truncated Taylor Series. Physical Review Letters, 2015, 114, 090502.	7.8	375
5	Exponential improvement in precision for simulating sparse Hamiltonians. , 2014, , .		121
6	Computing with a full memory. , 2014, , .		11
7	Quantum entanglement and the communication complexity of the inner product function. Theoretical Computer Science, 2013, 486, 11-19.	0.9	10
8	Classical Simulation of Entanglement Swapping with Bounded Communication. Physical Review Letters, 2012, 109, 100401.	7.8	23
9	Nonlocality and communication complexity. Reviews of Modern Physics, 2010, 82, 665-698.	45.6	396
10	Exact and approximate unitary 2-designs and their application to fidelity estimation. Physical Review A, 2009, 80, .	2.5	376
11	Efficient discrete-time simulations of continuous-time quantum query algorithms. , 2009, , .		16
12	Perfect Parallel Repetition Theorem for Quantum Xor Proof Systems. Computational Complexity, 2008, 17, 282-299.	0.3	45
13	Efficient Quantum Algorithms for Simulating Sparse Hamiltonians. Communications in Mathematical Physics, 2007, 270, 359-371.	2.2	440
14	Exponential algorithmic speedup by a quantum walk. , 2003, , .		374
15	Quantum Entanglement and Communication Complexity. SIAM Journal on Computing, 2001, 30, 1829-1841.	1.0	86
16	Classical simulation of quantum entanglement without local hidden variables. Physical Review A, 2001, 63, .	2.5	51
17	Quantum lower bounds by polynomials. Journal of the ACM, 2001, 48, 778-797.	2.2	356
18	Quantum Fingerprinting. Physical Review Letters, 2001, 87, 167902.	7.8	739

#	Article	IF	Citations
19	Experimental Realization of an Order-Finding Algorithm with an NMR Quantum Computer. Physical Review Letters, 2000, 85, 5452-5455.	7.8	137
20	Cost of Exactly Simulating Quantum Entanglement with Classical Communication. Physical Review Letters, 1999, 83, 1874-1877.	7.8	236
21	How to Share a Quantum Secret. Physical Review Letters, 1999, 83, 648-651.	7.8	1,082
22	Quantum Entanglement and the Communication Complexity of the Inner Product Function. Lecture Notes in Computer Science, 1999, , 61-74.	1.3	54
23	Teleportation as a quantum computation. Physica D: Nonlinear Phenomena, 1998, 120, 43-47.	2.8	129
24	Substituting quantum entanglement for communication. Physical Review A, 1997, 56, 1201-1204.	2.5	296
25	Quantum stabilizer codes and classical linear codes. Physical Review A, 1997, 55, 4054-4059.	2.5	22
26	Efficient computations of encodings for quantum error correction. Physical Review A, 1997, 56, 76-82.	2.5	71
27	Information-theoretic interpretation of quantum error-correcting codes. Physical Review A, 1997, 56, 1721-1732.	2.5	21
28	Schumacherâ€™s quantum data compression as a quantum computation. Physical Review A, 1996, 54, 2636-2650.	2.5	34
29	Elementary gates for quantum computation. Physical Review A, 1995, 52, 3457-3467.	2.5	2,958
30	Computing Algebraic Formulas Using a Constant Number of Registers. SIAM Journal on Computing, 1992, 21, 54-58.	1.0	96
31	Constant gap between conventional strategies and those based on C*-dynamics for self-embezzlement. Quantum - the Open Journal for Quantum Science, 0, 6, 755.	0.0	1